THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND THE MINISTER OF STATE IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE (SHRI K. R. NARAYANAN): (a) and (b) The Atomic Energy Commission has not taken over the Mehta Research Institute, Allahabad. The Department of Atomic Energy has, however, been assisting the Institute with grants over the last few years. The total number of scientific staff engaged in research work in the Institute is five. Even with this small team of researchers, the Institute has been active in many areas of mathematics, such as Combinatories, Graph Theory, Summability, Operator Theory and Control Theory. In most of these areas, original contributions have been made, papers published in reputed journals and lectures/seminars organised in the Institute. Many well-known mathematicians from India and abroad have visited the Institute and co-operated in research, apart from giving lectures on their specialised topics.

(c) The grant-in-aid released by Department of Atomic Energy during the last 2 years to Mehta Research Institute for R&D work in as follows:

1986-87	Rs. 12.00 lakhs
1987-88	Rs. 15.00 lakhs

Ocean development programme in the country

2035. SHRI BHAGATRAM MANHAR: Will *the* PRIME MINISTER be pleased to state;

(a) whether it is a fact that India has made substantial progress in the field of ocean development;

(b)*it* so, what is the progress made in this regard during the last 3 years;

(c) whether it is also a fact that Government are going to have tie ups with some foreign countries in the field of ocean development; and

(d) if so, what are the complete details thereof with the names of countries with which such tie-ups have been proposed or likely to be proposed?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND THE MINISTER OF STATE IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE. (SHRI K. R. NARAYANAN): (a) Yes, Sir.

(b) Considerable progress has been achieved in the exploration of both living and non-living resources of the Exclusive Economic Zone of India • and the deep seabed- during the last three years. As a result of these surveys, a mine site of 150 thousand sq. kilometres in the Central Indian Ocean has been allocated to India in August, 1987 by the U.N. Prepartory Commission of the International Seabed Authority, for further exploration and development. Moreover, the surveys have revealed the existence of mineral resources like ilmenitte, rutile, zircon, monazite, phosphorite, etc. Similarly, for living resources, new fishing grounds for prawns, deep sea lobsters, shellfish and squids have been located. India has so far sent seven expeditions to Antarctica and has gathered a wealth of information about the icy continent.

(c) No decision has yet been taken to have tie-ups with any foreign country in the field of ocean development.

(d) Does not arise.

Super computer XMP Cray-I4

2036. SHRIMATI VEENA VERMA: SHRI SHEO KUMAR MISHRA:

Will the PRIME MINISTER be pleased to state:

(a) by when the Super Computer XMP Cray-14" is expected to arrive in India from the United States and whether Government have completed necessary formalities to receive and operate the Computer; and

(b) whether the United States have asked for any safeguards for the Super Computer

from India or have laid down any conditions for its operations; if so, what are the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND THE MINISTER OF STATE IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE (SHRI K. R. NARAYANAN): (a) The Supercomputer CRAY X-MP/14 is expected to arrive in India by the end of 1988. Necessary arrangements to receive and operate the computer are being made.

(b) The agreement between the Government of India and the Government of USA provides that the Supercomputer will be used primarily for weather forecasting and weather-related research. It will also be used for certain scientific end uses: health, agriculture, and solid state physics. It could be utilized for other end-uses from time to time by mutual agreement.

US Defece Secretary's Invitation to Pakistan for Witnessing Awacs Demonstration

2037. SHRIMATI VEENA VERMA: SHRI A. G. KULKARNI: KUMARI SUSHILA TIRIA:

Will the Minister of EXTERNAL AFFAIRS be pleased to state:

. (a) whether the attention of the Government of India have been drawn to a statement by Mr. Frank Carlucei US Defence Secretary at a press-conference at Islamabad at the end of this visit to the effect that US has invited Pakistan to send, a team of experts to witness a demonstration of AWACS (E-3A) like the one given on Hawk Eyes (E-20), if so, what is Government's reaction thereto;

(b) what is- the Government's in formation on the subject about US intentions regarding supply of AWACS to Pakistan in view of latest deve lopments *in* Pakistan; and

(c) what remedial steps Govern ment are taking in this regard and in view of the fact that Afghan issue-hag already been settled and there is apprehension of AWACS being used against India?

THE MINISTER OF STATE IN THE MINISTRY OF EXTERNAL AFFAIRS (SHRI K. NATWAR SINGH); (a) Yes, Sir. Government consider that the supply of any such force multiplier - system to Pakistani would result in an unnecessary and wasteful arms race in the subcontinent and thereby highten tension in the region.

(b) The US Government is committed in principle to supply an Airborne Early Warning system to Pakistan. No decision has been announced about the type of system to be supplied, nor about the modality and timing of the transfer.

(c) Government are alert to all developments having a bearing on India's security. Government have also conveyed to the U.S. Government India's serious concern at the supply of sophisticated arms to Pakistan particularly those which act as force multipliers.

Deportation of Indian Workers from Dubai for Demanding Better Service Conditions

2088. SHRIMATI, VEENA VERMA: SHRI A. G., KULKARNI:

Will the Minister of EXTERNAL AFFAIRS be pleased to state:

(a) whether Government are aware of the fact that some two hundred Indian workers employed in a firm in Dubai were put in prison for four days for demanding better working conditions and were deported to India direct from the jail without even allo"wing them to collect their personal belongings;

(b) if so, what is Government's reaction thereto; and

(c) what are the details thereof?